

Title (en)

NEW AMMONIUM COMPOUNDS, METHOD FOR THEIR PREPARATION AND THEIR USE AS CLEANING AGENTS, COSMETIC RAW MATERIALS AND SOFTENING AGENTS, ESPECIALLY AS SOFTENING RINSING AGENT FOR TEXTILES

Publication

EP 0507003 A3 19930303 (DE)

Application

EP 91121889 A 19911220

Priority

DE 4110663 A 19910403

Abstract (en)

[origin: CA2064483A1] Ammonium compounds and use thereof as fabric softener comprising mixtures of quaternary ammonium compounds with or without ester groups prepared by reacting amines with dimerized fatty acids and subsequent quaternization or protonation with inorganic or organic acids.

IPC 1-7

C07C 233/39; C07C 219/10; C11D 1/46; C11D 1/52; A61K 7/075

IPC 8 full level

A61K 8/41 (2006.01); **A61K 8/60** (2006.01); **A61Q 5/02** (2006.01); **A61Q 5/12** (2006.01); **A61Q 19/10** (2006.01); **C07C 217/06** (2006.01); **C07C 219/06** (2006.01); **C07C 219/10** (2006.01); **C07C 233/36** (2006.01); **C07C 233/39** (2006.01); **C11D 1/46** (2006.01); **C11D 1/62** (2006.01); **C11D 3/00** (2006.01); **C11D 3/30** (2006.01); **C11D 17/00** (2006.01); **D06M 13/332** (2006.01); **D06M 13/372** (2006.01); **D06M 13/405** (2006.01); **D06M 13/467** (2006.01)

CPC (source: EP US)

A61K 8/416 (2013.01 - EP US); **A61K 8/604** (2013.01 - EP US); **A61Q 5/02** (2013.01 - EP US); **A61Q 5/12** (2013.01 - EP US); **A61Q 19/10** (2013.01 - EP US); **C07C 219/10** (2013.01 - EP US); **C07C 233/39** (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 3/0015** (2013.01 - EP US); **D06M 13/467** (2013.01 - EP US)

Citation (search report)

- [X] GB 1601815 A 19811104 - YORKSHIRE CHEMICALS LTD
- [A] US 2875218 A 19590224 - JOACHIM DAZZI
- [A] US 3763053 A 19731002 - BILLS A
- [A] US 3328409 A 19670627 - WAKEMAN REGINALD L, et al

Cited by

WO2020109613A1; EP0648835A1; EP0959066A3; US5750491A; DE19503279C1; DE19503279C2; DE10219295A1; DE10219295B4; DE4228594A1; US6897263B2; WO9504184A1; WO9623761A1; WO9635661A1; US12077486B2

Designated contracting state (EPC)

BE CH DE DK ES FR GB GR IT LI LU NL

DOCDB simple family (publication)

EP 0507003 A2 19921007; EP 0507003 A3 19930303; CA 2064483 A1 19921004; DE 4110663 A1 19921008; US 5254271 A 19931019; US 5344642 A 19940906

DOCDB simple family (application)

EP 91121889 A 19911220; CA 2064483 A 19920331; DE 4110663 A 19910403; US 2729193 A 19930304; US 86145192 A 19920401